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CLAIMS

What is claimed is:

1. A method comprising:
winding a first layer of a material about a mandrel; and
bonding a second layer of a material to said first layer with a bitumen-based adhesive, wherein an active component of said bitumen-based adhesive is bitumen, and wherein at least one of said first and second layers comprises a lignocellulosic material.
2. The method according to claim 1, wherein both said first and second layers comprise a lignocellulosic material.
3. The method according to claim 1, further comprising forming a spiral-wound tube by winding said first and second layers at an angle less than a right angle to said mandrel.
4. The method according to claim 1, further comprising forming a convolute-wound tube by winding said first and second layers generally perpendicularly to said mandrel.
5. The method according to claim 1, wherein said bitumen-based adhesive comprises at least one of an additive and a filler.
6. The method according to claim 1, wherein said bitumen comprises at least one of asphalt, coal tar, pitch, VR (Vacuum Residue of low vacuum distillation) bitumen, DVR (Deep Vacuum Residue) bitumen, PA (Precipitated Asphalt), and PPA (Propane Precipitated Asphalt), BB (Blown Bitumen).
7. The method according to claim 5, wherein said additive comprises at least one of a natural polymer, synthetic polymer, wax, oil, solvent, surfactant, biocide, fungicide, and fire retarder.
8. The method according to claim 7, wherein said synthetic polymer comprises at least one of polyethylene, polypropylene, polybutylene, SBS (Styrene Butadiene Styrene), BR (Butadiene Rubber), EVA (Ethylene Vinyl Acetate copolymer), PS (polystyrene) and acrylic resin.
9. The method according to claim 5, wherein said filler comprises at least one of limestone, gypsum, kaolin, talc, mica, coal-ash, cotton, natural fiber, pulp and synthetic fiber.
10. A method comprising:
forming a corrugated board by bonding a corrugated sheet to at least one outer sheet with a bitumen-based adhesive, wherein an active component of said bitumen-based adhesive is bitumen, and wherein at least one of said corrugated sheet and said outer sheet comprises a lignocellulosic material.

11. An article comprising:

a wound tube formed by winding a first layer of a material about a mandrel, and bonding a second layer of a material to said first layer with a bitumen-based adhesive, wherein an active component of said bitumen-based adhesive is bitumen, and wherein at least one of said first and second layers comprises a lignocellulosic material.

12. The article according to claim 11, wherein both said first and second layers comprise a lignocellulosic material.

13. The article according to claim 11, wherein said wound tube comprises a spiral-wound tube formed by winding said first and second layers at an angle less than a right angle to said mandrel.

14. The article according to claim 11, wherein said wound tube comprises a convolute-wound tube by winding said first and second layers generally perpendicularly to said mandrel.

15. The article according to claim 11, wherein said bitumen-based adhesive comprises at least one of an additive and a filler.

16. The article according to claim 11, wherein said bitumen comprises at least one of asphalt, coal tar, pitch, VR (Vacuum Residue of low vacuum distillation) bitumen, DVR (Deep Vacuum Residue) bitumen, PA (Precipitated Asphalt), PPA (Propane Precipitated Asphalt), BB (Blown Bitumen).

17. The article according to claim 15, wherein said additive comprises at least one of a natural polymer, synthetic polymer, wax, oil, solvent, surfactant, biocide, fungicide, and fire retarder.

18. The article according to claim 17, wherein said synthetic polymer comprises at least one of polyethylene, polypropylene, polybutylene, SBS (Styrene Butadiene Styrene), BR (Butadiene Rubber), EVA (Ethylene Vinyl Acetate copolymer), PS (polystyrene) and acrylic resin.

19. The article according to claim 15, wherein said filler comprises at least one of limestone, gypsum, kaolin, talc, mica, coal-ash, cotton, natural fiber, pulp and synthetic fiber.

20. An article comprising:

a corrugated board formed by bonding a corrugated sheet to at least one outer sheet with a bitumen-based adhesive, wherein an active component of said bitumen-based adhesive is bitumen, and wherein at least one of said corrugated sheet and said outer sheet comprises a lignocellulosic material.